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PATENT

Attorney Reference Number 6395-62068  
Application Number 10/048,146

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

1. (original) A composition comprising one or more isolated, synthetic or recombinant larval *T. solium* polypeptides or antigenic fragments thereof, immunoreactive with *T. solium* antibodies.
2. (currently amended) The composition of Claim 1 wherein the one or more polypeptides ~~are selected from the group consisting of~~ comprises one or more of TS-14, TS-18 ~~and or~~ TSRS-1.
3. (currently amended) The composition of Claim 1 wherein the one or more polypeptides ~~have amino acid sequences selected from the group consisting of~~ comprises one or more of an amino acid sequence shown in SEQ ID NO:2, SEQ ID NO:4 ~~and or~~ SEQ ID NO:6.
4. (currently amended) The composition of Claim 1 wherein the one or more polypeptides ~~or antigenic fragments thereof fragment contains the amino acid sequence set forth in~~ comprises SEQ ID NO:7.
5. (currently amended) The composition of Claim 1 wherein the one or more polypeptides are encoded by one or more nucleic acid molecules ~~having nucleic acid sequences selected from the group consisting of~~ comprising SEQ ID NO:1, SEQ ID NO:3 ~~and or~~ SEQ ID NO:5.
6. - 16. (cancelled)
17. (new) The composition of claim 1, further comprising an adjuvant.

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18. (new) The composition of claim 1, wherein the one or more polypeptides or antigenic fragments comprise a label.
19. (new) The composition of claim 18, wherein the label comprises a radiolabel, bioluminescent label, fluorogen label or chromogen label.
20. (new) The composition of claim 1, wherein the one or more polypeptides or antigenic fragments comprise a carrier molecule.
21. (new) The composition of claim 20, wherein the carrier molecule comprises albumin, hemocyanin, thyroglobulin, or derivatives thereof.
22. (new) The composition of claim 20, wherein the carrier molecule comprises bovine serum albumin (BSA) or keyhole limpet hemocyanin (KLH).
23. (new) The composition of claim 3, wherein SEQ ID NOS: 2, 4 or 6 comprise one or more conservative substitutions.
24. (new) The composition of claim 4, wherein the one or more polypeptides or antigenic fragments thereof comprises SEQ ID NO: 8.
25. (new) The composition of claim 4, wherein the one or more polypeptides or antigenic fragments thereof comprises SEQ ID NO: 9.
26. (new) The composition of Claim 1 wherein the one or more polypeptides comprises TS-14.
27. (new) The composition of Claim 1 wherein the one or more polypeptides comprises TS-18.

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28. (new) The composition of Claim 1 wherein the one or more polypeptides comprises  
TSRS-1.